

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	03/19/2019 03/19/2019	David Julian

LM Start		Rating **	A	Issue No.	3
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0349_01_f_2014_3				
Comment Code					
Inspector Comment					
District does have some supplies including sand, sand bags, and stakes.					

No Photos

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0349_01_f_2014_4				
Comment Code					
Inspector Comment					
RD 349 has O&M Manual on hand.					

No Photos

LM Start		Rating **	M	Issue No.	14
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0349_01_f_2014_14				
Comment Code					
Inspector Comment					
LMA has not taken flood fight training in the past couple of years.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	03/19/2019 03/19/2019	David Julian

LM Start	0.01	Rating **	A/W	Issue No.	9
LM End	0.10	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.326996 °	38.325798 °
				-121.576557 °	-121.577027 °
DWR ID	DWR_RD0349_01_f_2018_9				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 33.9 R					
Status: Critical					
2017 Field Notes: New erosion pocket. Tree roots propped up with junk.					
Tree likely to fall and house to come tumbling after. Upgraded to critical.					
Site History: 2015 - Erosion observed at the toe.					
2018: Vegetation was too thick to observe completely but did look like tree was likely to fall soon.					

No Photos

LM Start	0.03	Rating **	M	Issue No.	11
LM End	1.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.326842 °	38.306995 °
				-121.577010 °	-121.575432 °
DWR ID	DWR_RD0349_01_s_2019_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0349_204_11_20190320_00030.jpg



View looking downstream at annual vegetation on the landside slope (Spring 2019).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento River	Right	1.59	03/19/2019 03/19/2019	David Julian

LM Start	0.22	Rating **	M	Issue No.	21
LM End	0.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.324052 °	38.323492 °
				-121.577778 °	-121.577952 °
DWR ID	DWR_RD0349_01_f_2018_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove vegetation all the way down to the landside toe.					

Photo 1 of 1 : SP_2019_RD0349_204_21_20190311_00005.jpg



Vegetation looking downstream on the landside slope (November 2018).

LM Start	0.47	Rating **	M	Issue No.	22
LM End	1.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.320520 °	38.307013 °
				-121.578605 °	-121.575518 °
DWR ID	DWR_RD0349_01_f_2017_22				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.56	Rating **	C	Issue No.	28
LM End	0.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.319327 °	38.319327 °
				-121.578822 °	-121.578822 °
DWR ID	DWR_RD0349_01_f_2018_28				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	03/19/2019 03/19/2019	David Julian

LM Start	0.62	Rating **	M	Issue No.	30
LM End	0.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.318392 °	38.318392 °
				-121.578987 °	-121.578987 °
DWR ID	DWR_RD0349_01_f_2018_30				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.89	Rating **	M	Issue No.	38
LM End	0.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.314548 °	38.314548 °
				-121.579098 °	-121.579098 °
DWR ID	DWR_RD0349_01_f_2018_38				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.92	Rating **	M	Issue No.	37
LM End	0.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.314080 °	38.314080 °
				-121.579002 °	-121.579002 °
DWR ID	DWR_RD0349_01_f_2018_37				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	03/19/2019 03/19/2019	David Julian

LM Start	0.97	Rating **	U	Issue No.	35
LM End	0.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.313380 °	38.313380 °
				-121.578860 °	-121.578860 °
DWR ID	DWR_RD0349_01_f_2018_35				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove vegetation from the landside toe.					

Photo 1 of 1 : SP_2019_RD0349_204_35_20190311_00010.jpg



View of vegetation on the landside toe (November 2018).

LM Start	1.00	Rating **	M	Issue No.	15
LM End	1.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.312911 °	38.312131 °
				-121.578528 °	-121.578292 °
DWR ID	DWR_RD0349_01_f_2017_15				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District Station 52+92 to 55+88, Sec. 06, T. 5 N. R. 4 E., M.D.M. Approximately 296 linear-feet of eroded area exists along the waterside levee slope of the Sacramento River (Unit 1). Erosion commences at approximately 3/4 of the way down the slope from the crown and extends into the rip rap. Some rip rap has been pulled off in this section.					
Site ID No:318					
Site Designation:LMA-145					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/28/2017					
Notes: slope too steep, vegetation too thick for clear inspection, no direct visual of damage					

Photo 1 of 1 : SP_2019_RD0349_204_15_20190311_00002.jpg



Waterside erosion at LM 1.02.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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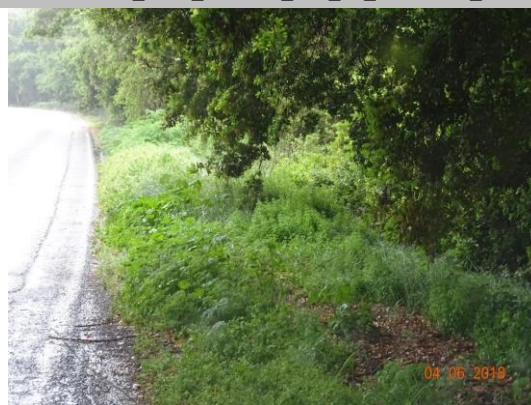
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	03/19/2019 03/19/2019	David Julian

LM Start	1.14	Rating **	M	Issue No.	24
LM End	1.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.310992 °	38.310992 °
				-121.578050 °	-121.578050 °
DWR ID	DWR_RD0349_01_s_2018_24				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.20	Rating **	M	Issue No.	29
LM End	1.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.310110 °	38.309955 °
				-121.577608 °	-121.577495 °
DWR ID	DWR_RD0349_01_f_2017_29				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0349_204_29_20190311_00007.jpg



Manage landside vegetation to allow inspection and access.

LM Start	1.40	Rating **	M	Issue No.	36
LM End	1.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.307553 °	38.307553 °
				-121.575848 °	-121.575848 °
DWR ID	DWR_RD0349_01_f_2018_36				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0349_204_36_20190311_00011.jpg



View of fallen tree limb on the landside toe (November 2018).

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	03/19/2019 03/19/2019	David Julian

LM Start	1.45	Rating **	U	Issue No.	16
LM End	1.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.306995 °	38.306995 °
				-121.575432 °	-121.575432 °
DWR ID	DWR_RD0349_01_s_2019_16				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0349_204_16_20190320_00031.jpg



View of thick trees on the waterside slope (Spring 2019).

LM Start	1.54	Rating **	U	Issue No.	34
LM End	1.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.305772 °	38.305252 °
				-121.574763 °	-121.574791 °
DWR ID	DWR_RD0349_01_f_2017_34				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Arundo completely blocks visibility and access to waterside of levee.					

Photo 1 of 1 : SP_2019_RD0349_204_34_20190311_00009.jpg



View of arundo on the waterside of levee

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	03/19/2019 03/19/2019	David Julian

LM Start	0.04	Rating **	M	Issue No.	44
LM End	0.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304877 °	38.304719 °
				-121.575384 °	-121.576083 °
DWR ID	DWR_RD0349_02_f_2017_44				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Waterside vegetation should be removed or thinned to 20 feet from crown to allow inspection and access.					

Photo 1 of 1 : SP_2019_RD0349_205_44_20190311_00035.jpg



Photo of waterside vegetation

LM Start	0.11	Rating **	M	Issue No.	32
LM End	3.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304472 °	38.266327 °
				-121.576613 °	-121.588392 °
DWR ID	DWR_RD0349_02_s_2019_32				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove annual vegetation from the waterside slope.					

Photo 1 of 1 : SP_2019_RD0349_205_32_20190320_00104.jpg



View looking downstream at annual vegetation on the waterside slope (Spring 2019).

LM Start	0.11	Rating **	M	Issue No.	33
LM End	3.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304472 °	38.266322 °
				-121.576613 °	-121.588392 °
DWR ID	DWR_RD0349_02_s_2019_33				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove grass and vegetation from the landside levee slope.					

Photo 1 of 1 : SP_2019_RD0349_205_33_20190320_00105.jpg



View looking downstream at annual vegetation on the landside slope (Spring 2019).

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	03/19/2019 03/19/2019	David Julian

LM Start	0.12	Rating **	C	Issue No.	78
LM End	0.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304375 °	38.304218 °
				-121.576735 °	-121.577055 °
DWR ID	DWR_RD0349_02_f_2018_78				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.20	Rating **	M	Issue No.	38
LM End	0.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.303715 °	38.303715 °
				-121.577795 °	-121.577795 °
DWR ID	DWR_RD0349_02_s_2019_38				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	0.22	Rating **	C	Issue No.	77
LM End	0.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.303517 °	38.303517 °
				-121.578191 °	-121.578191 °
DWR ID	DWR_RD0349_02_s_2018_77				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	03/19/2019 03/19/2019	David Julian

LM Start	0.25	Rating **	M	Issue No.	75
LM End	0.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.303317 °	38.303317 °
				-121.578673 °	-121.578673 °
DWR ID	DWR_RD0349_02_f_2018_75				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove downed tree from the landside slope.					

Photo 1 of 1 : SP_2019_RD0349_205_75_20190311_00046.jpg



View of downed tree on the landside slope (November 2018).

LM Start	0.40	Rating **	M	Issue No.	74
LM End	0.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.301673 °	38.301347 °
				-121.580385 °	-121.580522 °
DWR ID	DWR_RD0349_02_f_2018_74				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	03/19/2019 03/19/2019	David Julian

LM Start	0.60	Rating **	M	Issue No.	28
LM End	0.72	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.298897 °	38.297384 °
				-121.581571 °	-121.582176 °
DWR ID	DWR_RD0349_02_f_2018_28				
Comment Code					
Inspector Comment					
2017 Site ID: STM 25.5 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2010 - Small maintenance, erosion into the toe. 2011 - Minor new erosion at toe. 2015 - Minor new erosion at toe, new tree pop-out. 2016 - Fresh scarp at downstream end.					

Photo 1 of 1 : SP_2019_RD0349_205_28_20190311_00013.jpg



USACE 2013 Photo #1

LM Start	0.64	Rating **	M	Issue No.	54
LM End	0.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.298460 °	38.297588 °
				-121.582115 °	-121.582402 °
DWR ID	DWR_RD0349_02_s_2019_54				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	0.79	Rating **	M	Issue No.	72
LM End	0.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.296343 °	38.296343 °
				-121.582607 °	-121.582607 °
DWR ID	DWR_RD0349_02_f_2018_72				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	03/19/2019 03/19/2019	David Julian

LM Start	0.87	Rating **	U	Issue No.	71
LM End	0.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.295242 °	38.294570 °
				-121.583043 °	-121.583307 °
DWR ID	DWR_RD0349_02_f_2018_71				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove arundo from the waterside slope.					

No Photos

LM Start	0.91	Rating **	M	Issue No.	55
LM End	2.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.294642 °	38.279207 °
				-121.583282 °	-121.589805 °
DWR ID	DWR_RD0349_02_f_2018_55				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.92	Rating **	M	Issue No.	70
LM End	0.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.294623 °	38.293882 °
				-121.583287 °	-121.583418 °
DWR ID	DWR_RD0349_02_f_2018_70				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	03/19/2019 03/19/2019	David Julian

LM Start	0.93	Rating **	M	Issue No.	7
LM End	0.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.294385 °	38.294385 °
				-121.583351 °	-121.583351 °
DWR ID	DWR_RD0349_02_f_2017_7				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree has been removed from road, but currently obstructs visibility and access to landside slope. Smaller branches/foliage are stacked along both roadway shoulders. All debris should be removed from levee.					

Photo 1 of 1 : SP_2019_RD0349_205_7_20190311_00006.jpg



Fallen tree on landside slope.

LM Start	1.06	Rating **	M	Issue No.	69
LM End	1.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.292575 °	38.289203 °
				-121.583847 °	-121.584050 °
DWR ID	DWR_RD0349_02_f_2018_69				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	1.15	Rating **	U	Issue No.	79
LM End	1.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.291302 °	38.290855 °
				-121.584145 °	-121.584142 °
DWR ID	DWR_RD0349_02_s_2019_79				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Wild growth is blocking the view of waterside slope.					

Photo 1 of 1 : SP_2019_RD0349_205_79_20190320_00108.jpg



View looking downstream of wild growth on the waterside slope (Spring 2019).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	03/19/2019 03/19/2019	David Julian

LM Start	1.33	Rating **	M	Issue No.	40
LM End	1.49	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.288727 °	38.286475 °
				-121.583823 °	-121.585026 °
DWR ID	DWR_RD0349_02_f_2017_40				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:66					
Site Designation:DWR_RD0349_02_s_2012_28					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:6/7/2017					
Notes: dense vegetation and large trees hindered visibility; slope riprap appeared failing in some parts					

Photo 1 of 3 : SP_2019_RD0349_205_40_20190311_00024.jpg



LM Start	1.33	Rating **	M	Issue No.	40 (cont)
LM End	1.49	Issue Type +	Ma	Location *	

Photo 2 of 3 : SP_2019_RD0349_205_40_20190311_00025.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	03/19/2019 03/19/2019	David Julian

LM Start	1.33	Rating **	M	Issue No.	40 (cont)
LM End	1.49	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.288727 °	38.286475 °
				-121.583823 °	-121.585026 °
DWR ID	DWR_RD0349_02_f_2017_40				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:66					
Site Designation:DWR_RD0349_02_s_2012_28					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:6/7/2017					
Notes: dense vegetation and large trees hindered visibility; slope riprap appeared failing in some parts					

Photo 3 of 3 : SP_2019_RD0349_205_40_20190311_00026.jpg



LM Start	1.33	Rating **	A/W	Issue No.	27
LM End	1.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.288727 °	38.286475 °
				-121.583823 °	-121.585026 °
DWR ID	DWR_RD0349_02_f_2018_27				
Comment Code					
Inspector Comment					
2017 Site ID: STM 24.7 R					
Status: Critical					
2017 Field Notes: No observed change.					
Site History: 1997 - Erosion of very sandy levee behind large stand of riparian vegetation on top right bank. Dry ravel of sand. 1999 - Quarry waste rock was dumped down the levee slope; poor repair job; still eroding in places. Eroding at midslope off fabric. 2005 - Length revised, only the middle 150 - 200 ft are eroding. 2006 - Some rock/small material dumped down the bank but it is slowly unraveling. Upstream end is unraveling faster. Steep slope with poor gradation so fines are washing out. 2010 - Lots of overhanging trees and erosion pockets. 2011 - This site is upgraded to CRITICAL. Near vertical bank at the downstream end. New erosion at various locations throughout the site.					

Photo 1 of 1 : SP_2019_RD0349_205_27_20190311_00012.jpg



USACE 2013 Photo #1

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

Reclamation District No. 0349 Sutter Island

A photograph of a dense, green forest. A large, dark tree trunk is visible in the center, surrounded by thick foliage and sunlight filtering through the leaves. The scene is lush and vibrant, with various shades of green and dappled light.A photograph of a large, mature tree with dense green foliage, partially obscured by tall grass and other vegetation in the foreground. The tree's trunk is visible in the center, and its branches spread out, covered in vibrant green leaves. The foreground is filled with various types of grass and smaller plants, some of which are out of focus. The background shows more trees and a bright, possibly overexposed sky.Page 10 of 26

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	03/19/2019 03/19/2019	David Julian

LM Start	1.48	Rating **	A/W	Issue No.	37 (cont)
LM End	1.49	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.286708 °	38.286569 °
				-121.584839 °	-121.585042 °
DWR ID	DWR_RD0349_02_f_2017_37				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District Station 78+51 to 79+28, Sec. 18, T. 5 N. R. 4 E., M.D.M. Approximately 77 linear feet of erosion and scour exist along the water side slope of Steamboat Slough (Unit 2). The erosion area commences approximately halfway down the slope from the levee crown and extends to the waterside toe around existing trees. No rip rap is visible in this area.					
Site ID No:323					
Site Designation:LMA-150					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/28/2017					
Notes: no berm					

Photo 2 of 2 : SP_2019_RD0349_205_37_20190311_00023.jpg



LM Start	1.81	Rating **	M	Issue No.	56
LM End	1.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.283458 °	38.281525 °
				-121.589240 °	-121.589685 °
DWR ID	DWR_RD0349_02_f_2018_56				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	03/19/2019 03/19/2019	David Julian

LM Start	1.84	Rating **	M	Issue No.	88
LM End	1.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.283035 °	38.281507 °
				-121.589388 °	-121.589628 °
DWR ID	DWR_RD0349_02_s_2019_88				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	2.04	Rating **	M	Issue No.	26
LM End	2.05	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.280069 °	38.279919 °
				-121.589443 °	-121.589438 °
DWR ID	DWR_RD0349_02_f_2018_26				
Comment Code					
Inspector Comment					
2017 Site ID: STM 24.1 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2011 - Small scallop caused by erosion and wave wash.					

Photo 1 of 1 : SP_2019_RD0349_205_26_20190311_00011.jpg



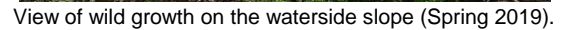
USACE 2013 Photo #1

LM Start	2.05	Rating **	M	Issue No.	90
LM End	2.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.279943 °	38.279943 °
				-121.589613 °	-121.589613 °
DWR ID	DWR_RD0349_02_s_2019_90				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

Reclamation District No. 0349 Sutter Island



**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	03/19/2019 03/19/2019	David Julian

LM Start	2.11	Rating **	A/W	Issue No.	25
LM End	2.14	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.279017 °	38.278597 °
				-121.589615 °	-121.589854 °
DWR ID	DWR_RD0349_02_f_2018_25				
Comment Code					
Inspector Comment					
2017 Site ID: STM 23.9 R Status: Eroding 2017 Field Notes: No observed change. Site History: 1997 - Top right bank has retreated into the levee. Site is between two rock sites. 1999 - Downstream half of the reach repaired with rock. 2000 - Trees leaning into the water. 2010 - Site appears worse. 2011 - New erosion at the toe. 2013 - Short vertical sections observed at upstream end. 2015 - Minor new erosion.					

Photo 1 of 1 : SP_2019_RD0349_205_25_20190311_00010.jpg



USACE 2013 Photo #1

LM Start	2.29	Rating **	U	Issue No.	92
LM End	2.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.276880 °	38.276673 °
				-121.591378 °	-121.591467 °
DWR ID	DWR_RD0349_02_s_2019_92				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the wild growth on the waterside slope.					

Photo 1 of 1 : SP_2019_RD0349_205_92_20190320_00111.jpg



View looking downstream of thick wild growth on the waterside slope (Spring 2019).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	03/19/2019 03/19/2019	David Julian

LM Start	2.37	Rating **	M	Issue No.	60
LM End	2.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.275713 °	38.274919 °
				-121.591369 °	-121.590622 °
DWR ID	DWR_RD0349_02_f_2017_60				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Arundo has been chopped and sprayed but needs to be cleared.					

Photo 1 of 2 : SP_2019_RD0349_205_60_20190320_00112.jpg



View of arundo that has been chopped and sprayed on the landside slope (Spring 2019).

LM Start	2.37	Rating **	M	Issue No.	60 (cont)
LM End	2.44	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2019_RD0349_205_60_20190311_00040.jpg



View of arundo and other vegetation on landside slope

LM Start	2.39	Rating **	M	Issue No.	48
LM End	2.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.275487 °	38.275487 °
				-121.591242 °	-121.591242 °
DWR ID	DWR_RD0349_02_f_2018_48				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the vegetation all the way down the landside slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

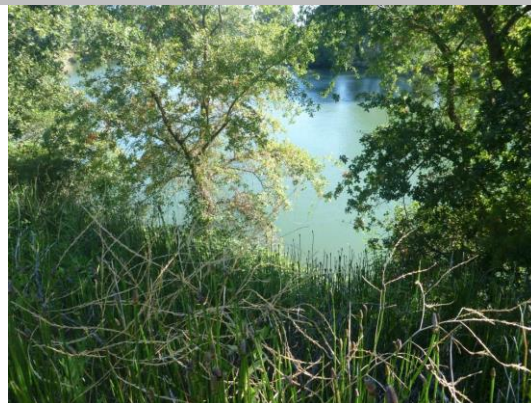
Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	03/19/2019 03/19/2019	David Julian

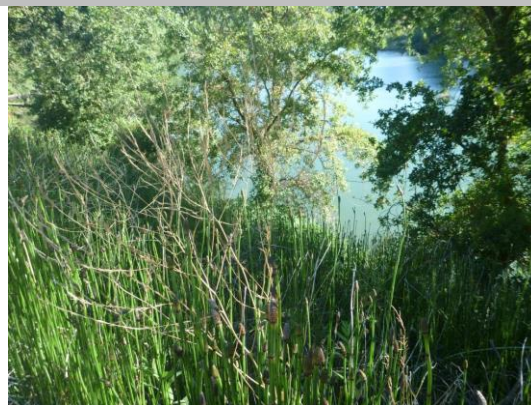
LM Start	2.43	Rating **	A/W	Issue No.	42
LM End	2.44	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.275131 °	38.275036 °
				-121.590594 °	-121.590461 °
DWR ID	DWR_RD0349_02_f_2017_42				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District Station 128+76 to 129+27, Sec. 13, T. 5 N. R. 3 E., M.D.M. Approximately 51 linear feet of erosion exists along the water side slope of Steamboat Slough (Unit 2). The erosion area commences approximately 3/4 of the way down the slope from the levee crown and extends to the waterside toe around existing trees. No rip rap is visible in this area.					
Site ID No:325					
Site Designation:LMA-152					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/28/2017					
Notes: access very difficult, steep slope, dense brush					

Photo 1 of 2 : SP_2019_RD0349_205_42_20190311_00030.jpg



LM Start	2.43	Rating **	A/W	Issue No.	42 (cont)
LM End	2.44	Issue Type +	Ma	Location *	

Photo 2 of 2 : SP_2019_RD0349_205_42_20190311_00031.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	03/19/2019 03/19/2019	David Julian

LM Start	2.56	Rating **	A/W	Issue No.	24
LM End	2.69	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.273854 °	38.271998 °
				-121.588745 °	-121.589424 °
DWR ID	DWR_RD0349_02_f_2018_24				
Comment Code					
Inspector Comment					
2017 Site ID: STM 23.6 R					
Status: Eroding					
2017 Field Notes: Previously observed quarry stone at the downstream end is now gone. Significant erosion at upstream end. Fresh sedimentation on the downstream end.					
Site History: 2011 - Toe scour at the tidal zone. 2015 - New tree pop-out and minor new erosion. 2016 - New erosion at upstream end.					

Photo 1 of 2 : SP_2019_RD0349_205_24_20190311_00008.jpg



USACE 2013 Photo #1

LM Start	2.56	Rating **	A/W	Issue No.	24 (cont)
LM End	2.69	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2019_RD0349_205_24_20190311_00009.jpg



USACE 2013 Photo #2

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	03/19/2019 03/19/2019	David Julian

LM Start	2.56	Rating **	A/W	Issue No.	43
LM End	2.59	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.273769 °	38.273386 °
				-121.588742 °	-121.588672 °
DWR ID	DWR_RD0349_02_f _ 2017_43				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District Station 135+81 to 137+00, Sec. 13, T. 5 N. R. 3 E., M.D.M. Approximately 119 linear feet of sloughing exists due to scour along the water side toe of Steamboat Slough (Unit 2). The erosion area commences approximately 3/4 of the way down the slope from the levee crown and extends to the waterside toe. No rip rap is visible in this area.					
Site ID No:326					
Site Designation:LMA-153					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/28/2017					
Notes: no berm					

LM Start	2.56	Rating **	A/W	Issue No.	43 (cont)
LM End	2.59	Issue Type +	Ma	Location *	

Photo 1 of 3 : SP_2019_RD0349_205_43_20190311_00032.jpg



Photo 2 of 3 : SP_2019_RD0349_205_43_20190311_00033.jpg



* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	03/19/2019 03/19/2019	David Julian

LM Start	2.56	Rating **	A/W	Issue No.	43 (cont)
LM End	2.59	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.273769 °	38.273386 °
				-121.588742 °	-121.588672 °
DWR ID	DWR_RD0349_02_f _ 2017_43				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District Station 135+81 to 137+00, Sec. 13, T. 5 N. R. 3 E., M.D.M. Approximately 119 linear feet of sloughing exists due to scour along the water side toe of Steamboat Slough (Unit 2). The erosion area commences approximately 3/4 of the way down the slope from the levee crown and extends to the waterside toe. No rip rap is visible in this area.					
Site ID No:326					
Site Designation:LMA-153					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/28/2017					
Notes: no berm					

Photo 3 of 3 : SP_2019_RD0349_205_43_20190311_00034.jpg



LM Start	2.64	Rating **	M	Issue No.	94
LM End	2.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.272630 °	38.271618 °
				-121.589292 °	-121.589800 °
DWR ID	DWR_RD0349_02_s_2019_94				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	03/19/2019 03/19/2019	David Julian

LM Start	2.78	Rating **	M	Issue No.	95
LM End	2.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.270795 °	38.270795 °
				-121.589948 °	-121.589948 °
DWR ID	DWR_RD0349_02_s_2019_95				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	2.89	Rating **	U	Issue No.	96
LM End	2.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.269162 °	38.269162 °
				-121.589670 °	-121.589670 °
DWR ID	DWR_RD0349_02_s_2019_96				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	2.96	Rating **	M	Issue No.	97
LM End	2.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.268310 °	38.268012 °
				-121.589168 °	-121.588963 °
DWR ID	DWR_RD0349_02_s_2019_97				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	03/19/2019 03/19/2019	David Julian

LM Start	3.04	Rating **	U	Issue No.	98
LM End	3.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.267268 °	38.266925 °
				-121.588575 °	-121.588427 °
DWR ID	DWR_RD0349_02_s_2019_98				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Wild growth is blocking the view down the waterside slope.					

Photo 1 of 1 : SP_2019_RD0349_205_98_20190320_00114.jpg



View looking downstream at the wild growth on the waterside slope (Spring 2019).

LM Start	3.06	Rating **	M	Issue No.	99
LM End	3.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.266925 °	38.266925 °
				-121.588427 °	-121.588427 °
DWR ID	DWR_RD0349_02_s_2019_99				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	3.14	Rating **	M	Issue No.	100
LM End	3.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.265735 °	38.265342 °
				-121.588380 °	-121.588388 °
DWR ID	DWR_RD0349_02_s_2019_100				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	03/19/2019 03/19/2019	David Julian

LM Start	3.16	Rating **	M	Issue No.	101
LM End	3.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.265557 °	38.265143 °
				-121.588377 °	-121.588403 °
DWR ID	DWR_RD0349_02_s_2019_101				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove blackberries from the landside slope.					

No Photos

LM Start	3.24	Rating **	U	Issue No.	102
LM End	3.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.264312 °	38.263712 °
				-121.588480 °	-121.588557 °
DWR ID	DWR_RD0349_02_s_2019_102				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Wild growth is blocking the view down waterside slope.					

Photo 1 of 1 : SP_2019_RD0349_205_102_20190320_00115.jpg



View looking downstream at wild growth on the waterside slope (Spring 2019).

LM Start	3.29	Rating **	M	Issue No.	62
LM End	3.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.263594 °	38.262449 °
				-121.588629 °	-121.593726 °
DWR ID	DWR_RD0349_02_f_2018_62				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Remove thick berry vines that completely block inspection and access to toe.					

Photo 1 of 1 : SP_2019_RD0349_205_62_20190311_00042.jpg



View of berry vines

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	03/19/2019 03/19/2019	David Julian

LM Start	3.38	Rating **	M	Issue No.	23
LM End	3.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.262510 °	38.262533 °
				-121.589481 °	-121.591690 °
DWR ID	DWR_RD0349_02_f_2018_23				
Comment Code					
Inspector Comment					
2017 Site ID: STM 22.8 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2010 - Slumping sections on the lower bank, appears to be scouring around the trees. 2011 - Soil beach at toe.					

Photo 1 of 1 : SP_2019_RD0349_205_23_20190311_00007.jpg



USACE 2013 Photo #1

LM Start	3.64	Rating **	U	Issue No.	104
LM End	3.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.262068 °	38.261835 °
				-121.594283 °	-121.594553 °
DWR ID	DWR_RD0349_02_s_2019_104				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Wild growth is blocking the view down the waterside slope.					

Photo 1 of 1 : SP_2019_RD0349_205_104_20190320_00117.jpg



View looking downstream at wild growth on the waterside slope (Spring 2019).

LM Start	3.81	Rating **	M	Issue No.	85
LM End	3.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.259882 °	38.257252 °
				-121.595245 °	-121.595403 °
DWR ID	DWR_RD0349_02_f_2015_85				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Exterminate the rodents from the levee section.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	03/19/2019 03/19/2019	David Julian

LM Start	3.93	Rating **	M	Issue No.	31
LM End	4.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.258165 °	38.254680 °
				-121.595143 °	-121.599793 °
DWR ID	DWR_RD0349_02_f_2018_31				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove black berries and control vegetation all the way down to the landside toe.					

Photo 1 of 1 : SP_2019_RD0349_205_31_20190311_00015.jpg



View looking downstream of vegetation part way down the landside slope (November 2018).

LM Start	3.97	Rating **	C	Issue No.	45
LM End	3.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.257503 °	38.257503 °
				-121.595270 °	-121.595270 °
DWR ID	DWR_RD0349_02_f_2018_45				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	4.09	Rating **	M	Issue No.	35
LM End	4.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.256065 °	38.256065 °
				-121.596305 °	-121.596305 °
DWR ID	DWR_RD0349_02_f_2018_35				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
A foot path is beginning to dig into the waterside slope.					

Photo 1 of 1 : SP_2019_RD0349_205_35_20190311_00019.jpg



View of footpath going down the waterside slope (November 2018).

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	03/19/2019 03/19/2019	David Julian

LM Start	4.28	Rating **	U	Issue No.	30
LM End	4.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.254802 °	38.254882 °
				-121.599382 °	-121.600150 °
DWR ID	DWR_RD0349_02_f_2018_30				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0349_205_30_20190311_00014.jpg



View of arundo on the waterside slope (November 2018).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	03/19/2019 03/19/2019	David Julian

LM Start	0.01	Rating **	M	Issue No.	33
LM End	6.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.254933 °	38.328307 °
				-121.600118 °	-121.578467 °
DWR ID	DWR_RD0349_03_s_2019_33				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation on the waterside slope.					

Photo 1 of 1 : SP_2019_RD0349_206_33_20190320_00083.jpg



View looking upstream at annual vegetation on the waterside slope (Spring 2019).

LM Start	0.01	Rating **	M	Issue No.	32
LM End	6.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.254933 °	38.327597 °
				-121.600118 °	-121.577780 °
DWR ID	DWR_RD0349_03_s_2019_32				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation on the landside slope.					

Photo 1 of 1 : SP_2019_RD0349_206_32_20190320_00084.jpg



View looking upstream at annual vegetation on the landside slope (Spring 2019).

LM Start	0.02	Rating **	M	Issue No.	34
LM End	0.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.255025 °	38.257803 °
				-121.600078 °	-121.599805 °
DWR ID	DWR_RD0349_03_s_2019_34				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove blackberries from the landside slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	03/19/2019 03/19/2019	David Julian

LM Start	0.04	Rating **	C	Issue No.	37
LM End	0.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.255327 °	38.255327 °
				-121.600033 °	-121.600033 °
DWR ID	DWR_RD0349_03_f_2016_37				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Dead tree on the waterside slope (large). This tree will fall and block access to the levee crown roadway. Remove the dead tree from the levee section.					

No Photos

LM Start	0.21	Rating **	M	Issue No.	38
LM End	0.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.257740 °	38.257740 °
				-121.599778 °	-121.599778 °
DWR ID	DWR_RD0349_03_s_2019_38				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.76	Rating **	M	Issue No.	8
LM End	0.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.265637 °	38.265637 °
				-121.601640 °	-121.601640 °
DWR ID	DWR_RD0349_03_f_2017_8				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trim large fig tree to allow visibility and access to landside levee slope.					

Photo 1 of 1 : SP_2019_RD0349_206_8_20190311_00001.jpg



View of trees on landside slope

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	03/19/2019 03/19/2019	David Julian

LM Start	0.78	Rating **	M	Issue No.	9
LM End	0.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.265918 °	38.265918 °
				-121.601736 °	-121.601736 °
DWR ID	DWR_RD0349_03_f_2017_9				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Clear fallen branches from waterside slope and crown road.					

No Photos

LM Start	0.80	Rating **	M	Issue No.	67
LM End	0.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.266201 °	38.266201 °
				-121.601832 °	-121.601832 °
DWR ID	DWR_RD0349_03_s_2018_67				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Trees and limbs on landside shoulder and slope need to be cleared out to allow inspection and access.					

Photo 1 of 1 : SP_2019_RD0349_206_67_20190311_00009.jpg



View of down tree on the land side shoulder (November 2018).

LM Start	1.05	Rating **	C	Issue No.	114
LM End	1.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.269462 °	38.271158 °
				-121.603423 °	-121.603475 °
DWR ID	DWR_RD0349_03_f_2018_114				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	03/19/2019 03/19/2019	David Julian

LM Start	1.07	Rating **	M	Issue No.	69
LM End	1.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.269859 °	38.269859 °
				-121.603541 °	-121.603541 °
DWR ID	DWR_RD0349_03_s_2018_69				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	1.11	Rating **	M	Issue No.	51	
LM End	1.13	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Trim / Thin Trees			38.270452 °	38.270677 °	
				-121.603587 °	-121.603572 °	
DWR ID	DWR_RD0349_03_f_2017_51					
Comment Code						
T1 : Trim trees to at least five feet above ground level.						
Inspector Comment						

No Photos

LM Start	1.25	Rating **	M	Issue No.	112
LM End	1.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.272423 °	38.272423 °
				-121.603115 °	-121.603115 °
DWR ID	DWR_RD0349_03_f_2018_112				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	03/19/2019 03/19/2019	David Julian

LM Start	1.29	Rating **	M	Issue No.	111
LM End	1.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.272972 °	38.272972 °
				-121.602785 °	-121.602785 °
DWR ID	DWR_RD0349_03_f_2018_111				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove vegetation all the way down the landside slope.					

No Photos

LM Start	1.49	Rating **	M	Issue No.	71
LM End	1.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.275496 °	38.275496 °
				-121.601273 °	-121.601273 °
DWR ID	DWR_RD0349_03_s_2018_71				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	1.49	Rating **	M	Issue No.	70
LM End	1.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.275496 °	38.275496 °
				-121.601272 °	-121.601272 °
DWR ID	DWR_RD0349_03_s_2018_70				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	03/19/2019 03/19/2019	David Julian

LM Start	1.54	Rating **	U	Issue No.	48
LM End	1.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.276217 °	38.277103 °
				-121.600940 °	-121.600643 °
DWR ID	DWR_RD0349_03_s_2019_48				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Maintain vegetation within 20 feet of the waterside shoulder.					

Photo 1 of 1 : SP_2019_RD0349_206_48_20190320_00091.jpg



View looking upstream at thick wild growth within 20 feet of the waterside shoulder (Spring 2019).

LM Start	1.67	Rating **	M	Issue No.	110
LM End	1.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.278017 °	38.278017 °
				-121.600438 °	-121.600438 °
DWR ID	DWR_RD0349_03_f_2018_110				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove vegetation all the way down the landside slope.					

No Photos

LM Start	1.85	Rating **	M	Issue No.	50
LM End	1.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.280583 °	38.280583 °
				-121.600573 °	-121.600573 °
DWR ID	DWR_RD0349_03_s_2019_50				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	03/19/2019 03/19/2019	David Julian

LM Start	1.86	Rating **	M	Issue No.	52
LM End	1.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.280787 °	38.281432 °
				-121.600630 °	-121.600922 °
DWR ID	DWR_RD0349_03_s_2019_52				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	2.15	Rating **	M	Issue No.	53
LM End	2.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.284168 °	38.284168 °
				-121.603580 °	-121.603580 °
DWR ID	DWR_RD0349_03_s_2019_53				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove blackberries from landside slope.					

No Photos

LM Start	2.38	Rating **	M	Issue No.	109
LM End	2.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.287118 °	38.287118 °
				-121.604027 °	-121.604027 °
DWR ID	DWR_RD0349_03_f_2018_109				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove vegetation all the way down the landside slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	03/19/2019 03/19/2019	David Julian

LM Start	2.57	Rating **	M	Issue No.	55
LM End	2.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.289782 °	38.289782 °
				-121.603298 °	-121.603298 °
DWR ID	DWR_RD0349_03_s_2019_55				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Remove broken limb from landside slope.					

No Photos

LM Start	2.83	Rating **	M	Issue No.	35
LM End	2.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.293403 °	38.295376 °
				-121.604013 °	-121.604726 °
DWR ID	DWR_RD0349_03_s_2018_35				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.97	Rating **	M	Issue No.	100
LM End	2.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.295445 °	38.295445 °
				-121.604692 °	-121.604692 °
DWR ID	DWR_RD0349_03_f_2018_100				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0349_206_100_20190311_00015.jpg



View looking downstream at vegetation off the waterside shoulder (November 2018).

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	03/19/2019 03/19/2019	David Julian

LM Start	2.97	Rating **	M	Issue No.	107
LM End	2.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.295445 °	38.295445 °
				-121.604692 °	-121.604692 °
DWR ID	DWR_RD0349_03_f_2018_107				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove vegetation all the way down the landside slope.					

No Photos

LM Start	3.15	Rating **	M	Issue No.	106	
LM End	3.15	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Vegetation			38.297773 °	38.297773 °	
				-121.603635 °	-121.603635 °	
DWR ID	DWR_RD0349_03_f_2018_106					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						
Remove vegetation all the way down the landside slope.						

Photo 1 of 1 : SP_2019_RD0349_206_106_20190311_00019.jpg



View of vegetation on slope

LM Start	3.40	Rating **	M	Issue No.	104
LM End	3.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.300347 °	38.300347 °
				-121.600277 °	-121.600277 °
DWR ID	DWR_RD0349_03_f_2018_104				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove vegetation all the way down the landside slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	03/19/2019 03/19/2019	David Julian

LM Start	4.19	Rating **	M	Issue No.	102
LM End	4.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.310490 °	38.310490 °
				-121.597265 °	-121.597265 °
DWR ID	DWR_RD0349_03_f_2018_102				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree from the landside slope.					

Photo 1 of 1 : SP_2019_RD0349_206_102_20190311_00016.jpg



View of tree on the landside slope (November 2018).

LM Start	4.20	Rating **	M	Issue No.	78	
LM End	4.20	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Trim / Thin Trees			38.310528 °	38.310528 °	
				-121.597180 °	-121.597180 °	
DWR ID	DWR_RD0349_03_f_2014_78					
Comment Code						
T4 : Trim trees over roadway to at least 12 feet above ground level.						
Inspector Comment						
Dead tree need removing from levee section.						

No Photos

LM Start	4.26	Rating **	M	Issue No.	101
LM End	4.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.310948 °	38.310948 °
				-121.596145 °	-121.596145 °
DWR ID	DWR_RD0349_03_f_2018_101				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove vegetation all the way down the landside slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	03/19/2019 03/19/2019	David Julian

LM Start	4.52	Rating **	M	Issue No.	77
LM End	4.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.313317 °	38.313317 °
				-121.592608 °	-121.592608 °
DWR ID	DWR_RD0349_03_s_2018_77				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.56	Rating **	A/W	Issue No.	115
LM End	4.68	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.313836 °	38.315407 °
				-121.592259 °	-121.591433 °
DWR ID	DWR_RD0349_03_f_2018_115				
Comment Code					
Inspector Comment					
2017 Site ID: STR 26.5 L Status: Eroding 2017 Field Notes: There appears soil under geotech fabric that appears to be failing but hard to tell. Site History: 2002 - Original rock over geotextile is sliding off and the end is coming unraveled. 2003 - Some minor new erosion on the downstream end. 2004 - Site has gotten worse. Underlined geofabric is exposed. 2005 - Still looks bad with exposed geotextile fabric. 2006 - Still have some new unraveling and exposed fabric. Site lengthened upstream. 2009 - Minimal new erosion. 2010 - geotextile fabric placed since last year, possible flood fight. 2012 - Exposed geotech style fabric, assume rock on top slid off. 2015 - Erosion pockets covered with plastic. 2018 DWR Inspector: This was rated as A/W due to the inability to verify the rating at the time of inspection. This site will be verified during the next inspection.					

Photo 1 of 1 : SP_2019_RD0349_206_115_20190311_00020.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	03/19/2019 03/19/2019	David Julian

LM Start	4.77	Rating **	C	Issue No.	80
LM End	4.77	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.316579 °	38.316579 °
				-121.590501 °	-121.590501 °
DWR ID	DWR_RD0349_03_s_2018_80				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.92	Rating **	M	Issue No.	60
LM End	5.57	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.318543 °	38.325943 °
				-121.589567 °	-121.584857 °
DWR ID	DWR_RD0349_03_s_2019_60				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	5.03	Rating **	M	Issue No.	98
LM End	5.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.320068 °	38.320068 °
				-121.589590 °	-121.589590 °
DWR ID	DWR_RD0349_03_f_2018_98				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	03/19/2019 03/19/2019	David Julian

LM Start	5.06	Rating **	M	Issue No.	59
LM End	5.17	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.320500 °	38.322216 °
				-121.589882 °	-121.590101 °
DWR ID	DWR_RD0349_03_f_2018_59				
Comment Code					
Inspector Comment					
2017 Site ID: STR 26.9 R					
Status: Eroding					
2017 Field Notes: new erosion at toe. new erosion pocket at upstream end.					
Site History: 2015 - Large Tree popout and tall vertical sections into the levee slope.					

No Photos

LM Start	5.10	Rating **	M	Issue No.	99
LM End	5.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.321207 °	38.321207 °
				-121.589705 °	-121.589705 °
DWR ID	DWR_RD0349_03_f_2018_99				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove vegetation all the way down the landside slope.					

No Photos

LM Start	5.20	Rating **	U	Issue No.	63
LM End	5.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.322562 °	38.322562 °
				-121.589618 °	-121.589618 °
DWR ID	DWR_RD0349_03_s_2019_63				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	03/19/2019 03/19/2019	David Julian

LM Start	5.59	Rating **	M	Issue No.	96
LM End	5.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.326127 °	38.326387 °
				-121.584713 °	-121.584670 °
DWR ID	DWR_RD0349_03_f_2018_96				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	5.60	Rating **	C	Issue No.	73
LM End	5.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.326285 °	38.326285 °
				-121.584737 °	-121.584737 °
DWR ID	DWR_RD0349_03_f_2018_73				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	5.69	Rating **	M	Issue No.	62
LM End	5.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.327531 °	38.328572 °
				-121.584874 °	-121.585393 °
DWR ID	DWR_RD0349_03_f_2017_62				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	03/19/2019 03/19/2019	David Julian

LM Start	5.71	Rating **	M	Issue No.	95
LM End	5.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.327828 °	38.327828 °
				-121.584960 °	-121.584960 °
DWR ID	DWR_RD0349_03_f_2018_95				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove down trees from the landside slope.					

Photo 1 of 1 : SP_2019_RD0349_206_95_20190311_00013.jpg



View of down trees on the landside slope (November 2018).

LM Start	5.88	Rating **	M	Issue No.	92
LM End	5.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.330110 °	38.330110 °
				-121.584628 °	-121.584628 °
DWR ID	DWR_RD0349_03_f_2018_92				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove vegetation all the way down to the landside toe.					

Photo 1 of 1 : SP_2019_RD0349_206_92_20190311_00012.jpg



View looking upstream at vegetation partway down the landside slope (November 2018).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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